

PROGRAMMABLE LOGIC DEVICE WITH ENHANCED WIDE INPUT

PRODUCT TERM CASCADING

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ABSTRACT

A programmable device with logic blocks is configured to cascade product terms from one logic block to another to increase the logical input width of the 10 product terms. Each logic block may produce a plurality of product terms based upon the selection of inputs from a routing structure. Logic blocks configured to receive cascaded product terms includes a plurality of AND gates corresponding to the plurality of product terms.